

Detail
Typical Conduits/Reels

Item	Description
①	Concrete, 1-2-4 mix
②	Bend, 36" radius, 4", 5" or 6" PVC duct as indicated
③	Screw 2", washer
④	Strap, perforated galvanized steel

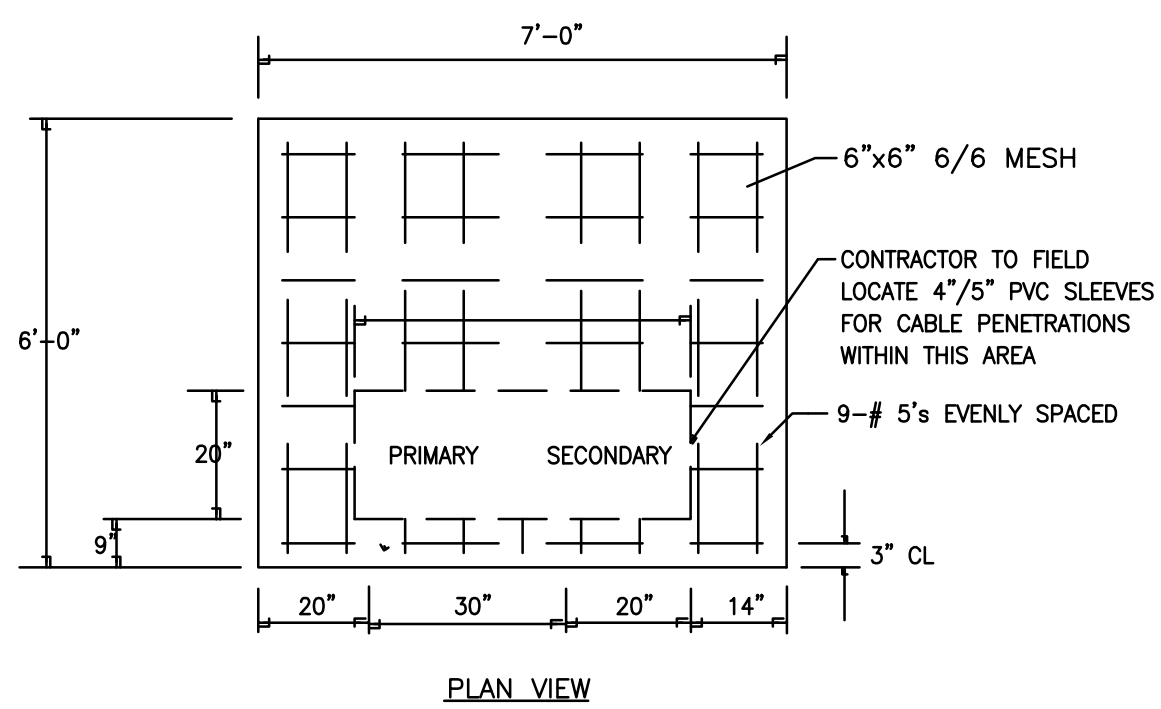
Installation Instructions

- (A) Concrete must be installed to encase duct-banks in all installations under these circumstances:
- Conduit bends at poles/transformer pad (Note: This is necessary to prevent cable from pulling up conduit under tension while pulling cables).
 - 4-way or larger
 - Any conduits stacked vertically
- (B) Fasten end of duct bend(s) to pole with strap. (See Detail "A" or "B").
- (C) Locate duct bend(s) away from traffic flow, if possible, and inside curb (as shown in details "A" or "B").
- (D) Backfill around concrete encasement as well as entire duct run with clean compacted backfill.

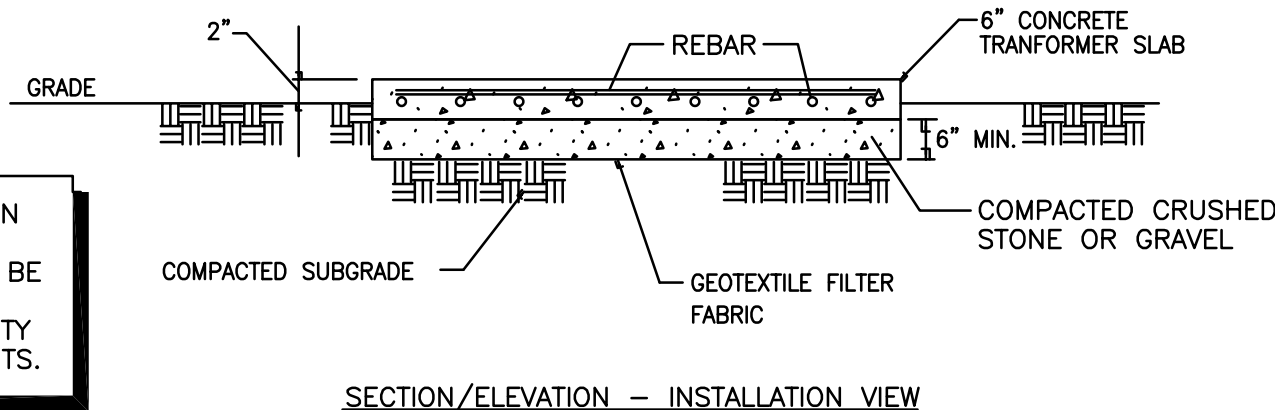
1 CONDUIT POLE CONNECTION

NOT TO SCALE

PROVIDE A GROUNDING SYSTEM FOR THE TRANSFORMER IN ACCORDANCE W/ POWER CO. REQUIREMENTS.



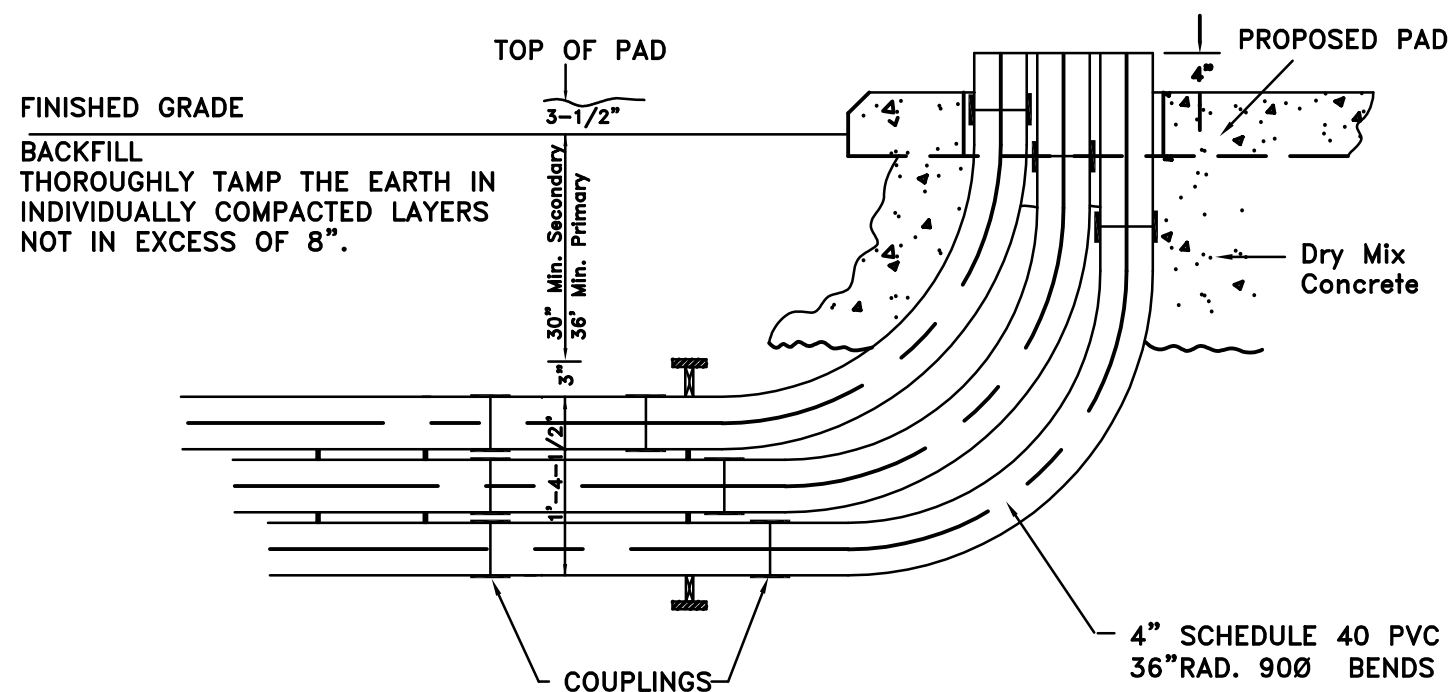
PLAN VIEW



SECTION/ELEVATION - INSTALLATION VIEW

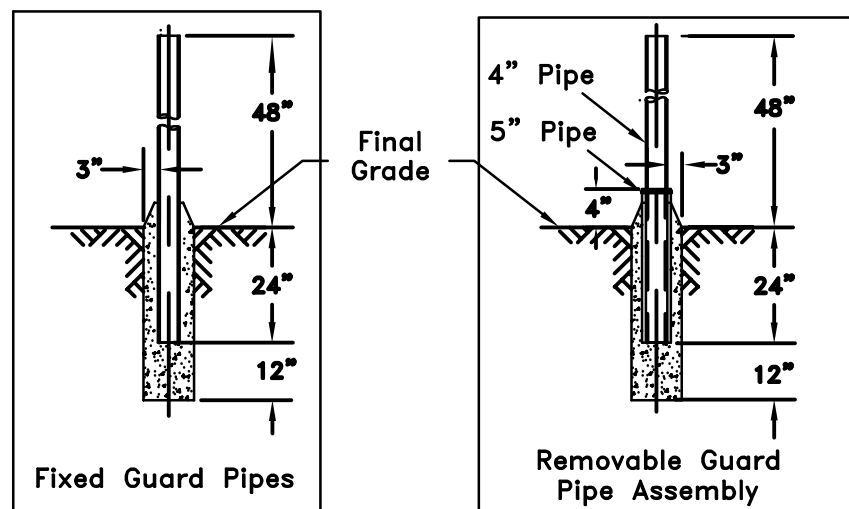
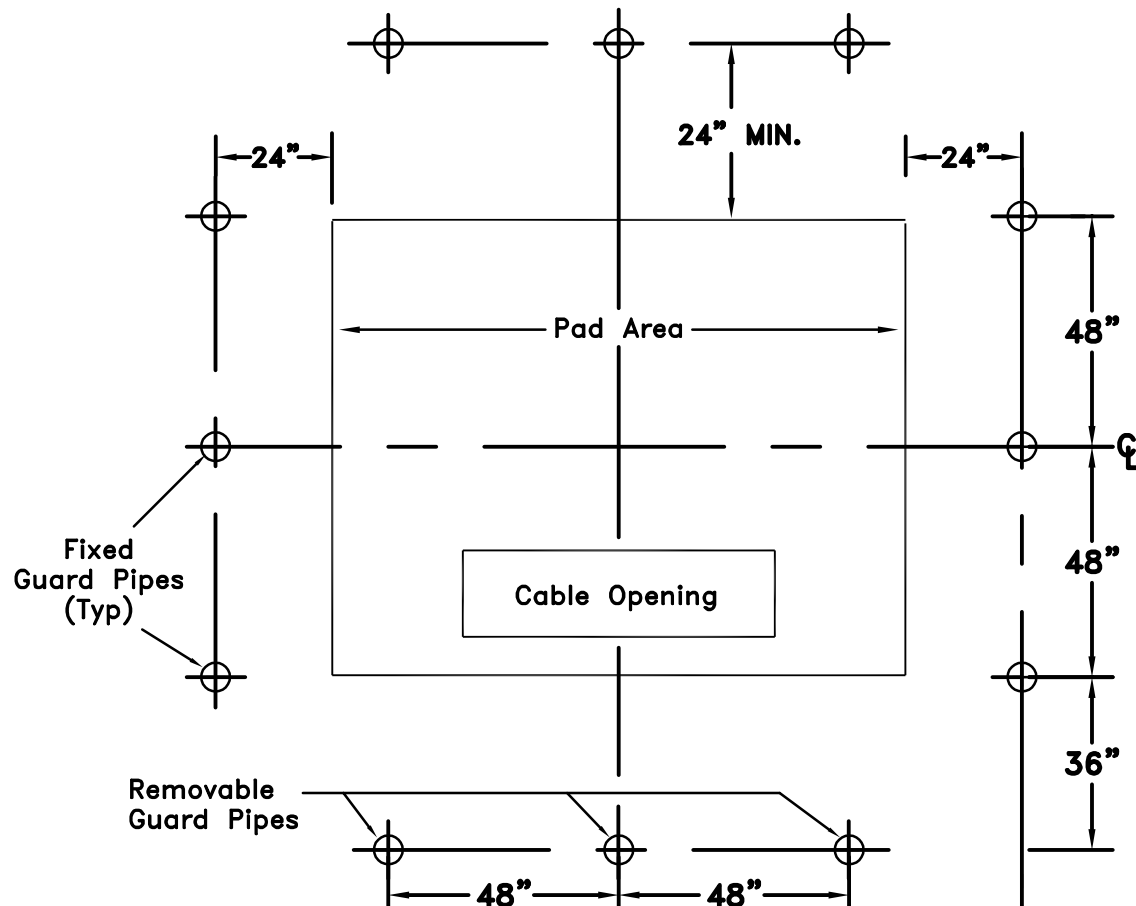
2 DETAIL - TYP. PRE-CAST TRANSFORMER PAD

NOT TO SCALE



3 DETAIL - TURNING CONDUITS INTO TRANSFORMER PAD AND AT UTILITY POLES

NOT TO SCALE



Parts and Accessories	
Description	Material Numbers
1. Guard Pipe	12-062
2. Guard Pipe Assembly	12-167

Notes:

- (A) Traffic protection is required when transformer installed within 8' of a roadway or parking lot.
- (B) 24" of clearance must be maintained around equipment. All dimensions shown are minimum and are not to be reduced. Guard pipes are positioned as shown so that a vehicle will not come into contact with the equipment. If space does not allow, a modified traffic protection configuration can be supplied by your Constellation representative.
- (C) Install removable guard pipes in front of equipment doors on front of transformer as indicated.
- (D) Install all guard pipe bases, both stationary and removable, in concrete. For stationary guard pipes only, fill pipes with concrete. Two (2) cu. ft. of concrete is required to set each base.

4 DETAIL - TRAFFIC PROTECTION FOR TRANSFORMERS

NOT TO SCALE

No.	Description	Date	App.
	REVIEW SET	06/04/10	
	85% SUBMISSION	06/17/10	
	95% SUBMISSION	07/16/10	
	BID SET	07/30/10	
	100% SUBMISSION	08/27/10	
	ISSUED FOR PERMIT	09/15/10	
	CLIENT BID REVIEW SET	01/19/11	
	CLIENT REVIEW SET	03/02/11	
	BID SET	03/17/11	

Drawn:	TRB
Checked:	DAS
Approved:	WJP
Issued:	03/17/11

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Sheet Contents: ELECTRICAL SITE PLAN DETAILS

Scale: AS SHOWN

Dwg. No. E0.2.2